

Title (en)  
LIGHTING CONTROL DEVICE

Title (de)  
BELEUCHTUNGSSTEUERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE COMMANDE D'ÉCLAIRAGE

Publication  
**EP 3349546 B1 20200422 (EN)**

Application  
**EP 16843929 A 20160902**

Priority  
• JP 2015178868 A 20150910  
• JP 2016004016 W 20160902

Abstract (en)  
[origin: EP3349546A1] A lighting control device compatible with an increased number of types of illumination loads is provided. A power supply (5) is electrically connected between a pair of input terminals (11 and 12) and is configured to be supplied with electric power from an AC power supply (8) to generate control electric power. A voltage detector (53) is configured to detect a voltage (Vc2) of the control electric power. A controller (6) is configured to be supplied with the control electric power from the power supply (5) to operate. The controller (6) is configured to control a bidirectional switch (2) based on a detection signal from a phase detector (3) so as to switch the bidirectional switch (2) from an ON state to an OFF state at a switching time point when a variable time corresponding to a dimming level elapses from a starting point of a half period of an AC voltage (Vac). A stopper (13) is configured to halt generation of the control electric power by the power supply (5) when the voltage (Vc2) detected by the voltage detector (53) is higher than or equal to a prescribed threshold during an OFF time period from the switching time point to an end time point of the half period.

IPC 8 full level  
**H05B 44/00** (2022.01)

CPC (source: EP US)  
**H02J 7/0068** (2013.01 - US); **H05B 45/10** (2020.01 - EP US); **H05B 45/3725** (2020.01 - EP US); **H05B 47/175** (2020.01 - EP US);  
**H02J 7/345** (2013.01 - US); **Y02B 20/30** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3349546 A1 20180718; EP 3349546 A4 20180905; EP 3349546 B1 20200422**; CN 108029182 A 20180511; CN 108029182 B 20200616;  
JP 2017054742 A 20170316; JP 6481943 B2 20190313; TW 201711525 A 20170316; TW I590710 B 20170701; US 10736188 B2 20200804;  
US 2018242417 A1 20180823; WO 2017043061 A1 20170316

DOCDB simple family (application)  
**EP 16843929 A 20160902**; CN 201680052490 A 20160902; JP 2015178868 A 20150910; JP 2016004016 W 20160902;  
TW 105128708 A 20160906; US 201615757353 A 20160902